

Message Text

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INFO OCT-01 CIAE-00 DODE-00 EB-07 NRC-05 NSAE-00 USIA-06
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DRAFTED BY COMMERCE/BEWT/OEA - RAGAREL
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TO USMISSION OECD PARIS IMMEDIATE

C O N F I D E N T I A L STATE 297727

EXCON

E.O. 11652: XGDS-1

TAGS: ESTC, COCOM, BU, US

SUBJECT: US AIR TRAFFIC CONTROL SYSTEM TO BULGARIA
--IL 1565

REF: A) OECD PARIS 35939, B) COCOM DOC(76)1815

USDEL REQUESTED TO MAKE FOLLOWING COMMENTS IN RESPONSE TO
UK QUESTIONS REPORTED REF. A:

1. A. TWO OF THE TEN COMPUTERS ARE DEDICATED TO THE
MAPPING FUNCTION (ONE FOR EACH ACC) AND DO NOT RELATE TO
CAPACITY CONSIDERATIONS.

B. ONE DISPLAY PROCESSING COMPUTER IS LOCATED AT EACH
OF THE FOUR REMOTE SITES TO PROCESS AND DISPLAY THE SAME
INFORMATION DATA WHICH IS AVAILABLE TO THE ACC'S. THESE
FOUR COMPUTERS ARE REDUNDANT TO THE SYSTEM AND DO NOT
INCREASE ITS CAPACITY. THEY ARE MADE NECESSARY BY THE
INABILITY OF THE NARROW-BAND TELEPHONE-LINE LINKS BETWEEN
THE ACC'S AND THE REMOTE SITES TO HANDLE THE REQUIRED DATA
RATE BETWEEN COMPUTERS AND DISPLAYS. THE INPUT DATA IS
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THE SAME NARROW-BAND INFORMATION AVAILABLE AT EACH ACC

AND THE COMPUTERS SIMPLY DUPLICATE THE DISPLAY OF ACC INFORMATION AT EACH REMOTE SITE. THE REMOTE SITES DO NOT SEND ANY INFORMATION BACK TO THE ACC'S AND THE REMOTE SITE COMPUTERS CANNOT BE USED TO ENHANCE THE CAPABILITY OF THE ACC. NO INTER-COMPUTER COMMUNICATION IS POSSIBLE.

C. THE OPERATIONAL COMPUTER PROGRAM IS IDENTICAL FOR ALL EIGHT DISPLAY-PROCESSING COMPUTERS.

D. EACH OF THE ACC'S IS PROVIDED WITH TWO REDUNDANT DISPLAY-PROCESSORS FOR RELIABILITY. ONE PROCESSOR IS ON-LINE; THE SECOND PROCESSOR FUNCTIONS AS A BACK-UP IN THE EVENT OF FAILURE OF THE ON-LINE PROCESSOR. NO COUPLED CAPACITY IS PROVIDED.

2. A. ADDITION OF DISPLAYS WOULD MERELY PROVIDE MORE OPERATORS WITH THE AVAILABILITY TO SEE THE SAME DATA IN THE SAME FORMAT WHICH, IN TURN, IS LIMITED TO THE DATA PROCESSING CAPABILITY OF THE DISPLAY PROCESSING COMPUTERS.

B. THE COMPUTERS PRESENTLY USE THE FULL CAPABILITY OF THE 32K CORE MEMORY WHICH CANNOT BE EXPANDED.

C. THE SYSTEM EXCLUDES ECCM FEATURES, SOPHISTICATED PROCESSING ATTENDANT TO MILITARY CONFIGURATIONS. IT IS NOT CAPABLE OF BEING MODIFIED TO MEET SUCH REQUIREMENTS. ROBINSON

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